INFRA RED

INFRA RED MADE EASY

A mini guide from keene
making AV happen

Wireless – Wired – IP Network – **all under control**

Powermid

See inside on page 14

ONLY **£23.36**

IR Commander

See inside on page 10

FROM **£169.99**

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Information & Advice!
Look inside to find the answers to common IR questions

More IR offers inside

Remote Controls	from £12.99	Emitter Wands	from £5.99
Panel Mount Receivers	from £29.99	Complete Distribution Kit	from £39.99

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IR Tip

If you are using an IR distribution amplifier it is imperative to make sure that the equipment you are trying to control can only see one source of IR. If the original IR from the remote handset as well as the distributed signal can both find a path to the equipment's eye then the signal will be garbled and the equipment will not respond. This can occur even if one of the signals is very feint. The majority of the problem calls we get are down to this!

IR Signals Explained

I think we are all aware that infrared is just light that we cannot normally see. It is light at the low (red) end of the visible spectrum, and shares many of the properties of visible light. Like visible light infrared travels in straight lines and will not go around a corner unless there is something about that will reflect it or refract it. Also like visible light it is reflected by white surfaces and usually absorbed by dark surfaces.

It is worth noting that IR emitter LEDs, the sort of thing that is used in remote controls etc, are like a torch and they have a narrow beam, and will only "shine" onto a narrow area. A 10 or 15-degree beam width is not unusual.

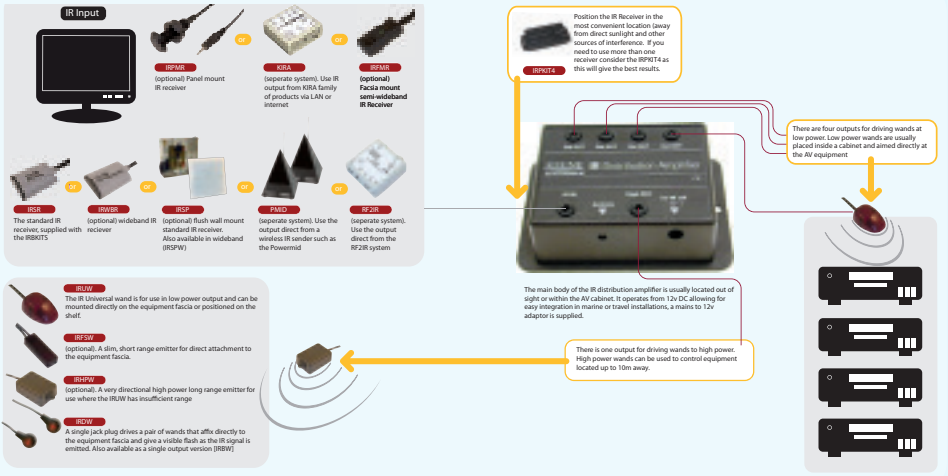
When you press a button on your remote control a microcontroller switches the IR emitter on and off very quickly in a predetermined sequence. This stream or sequence of IR "data can contain up to as many as 50 digits. The IR receiver on the equipment you are controlling picks up this IR data, sends it to its microcontroller to be decoded and responds accordingly - or at least it should do!

Why on earth would I want to get an IR distribution amplifier?

With an ever increasing number of set top boxes, media streamers, switchers and recorders etc it is often convenient, in fact sometimes essential for domestic harmony, to be able to locate much of the equipment in a small room or cupboard out of sight. Unless you want to get up and go to the cupboard / room / loft or wherever every time you want to change the channel or volume, you will ideally need some means of controlling all this equipment from your armchair. This is where an IR distribution system comes in.

An IR distribution system is basically expected to receive the IR signal and then send it out or "emit it" again in another location. Over the years they have evolved and improved, and now the IR receiver, the distribution amplifier and the emitter are usually separate components. The receiver can be positioned where you find convenient – usually somewhere near to the display. The receiver picks up the signal from your remote and sends this to the distribution amplifier which in turn sends it back out as IR to one or more emitters to control the equipment. The net effect is that you can control your hidden equipment as easily as of you were pointing the remote directly at it.

There are many ways in which the receiver can be connected to the distribution amplifier, including dedicated cable, RF aerial cable, wireless (radio) or even an IP computer network. We hope that you can use this guide to see what systems are possible and select the right products to make your own AV system easy for everyone to control.


IR Input
IRPMR
(optional) Panel mount IR receiver
KIRA
(seperate system). Use IR output from KIRA family of products via LAN or internet
IRFMR
(optional) Facia mount semi-wideband IR Receiver
IRSR
The standard IR receiver, supplied with the IRBKIT5
IRWBR
(optional) wideband IR reciever
IRSP
(optional) flush wall mount standard IR receiver. Also available in wideband (IRSPW)
PMID
(seperate system). Use the output direct from a wireless IR sender such as the Powermid
RF2IR
(seperate system). Use the output direct from the RF2IR system
IRPKIT4
Position the IR Receiver in the most convenient location (away from direct sunlight and other sources of interference. If you need to use more than one receiver consider the IRPKIT4 as this will give the best results.
There are four outputs for driving wands at low power. Low power wands are usually placed inside a cabinet and aimed directly at the AV equipment
The main body of the IR distribution amplifier is usually located out of sight or within the AV cabinet. It operates from 12v DC allowing for easy integration in marine or travel installations, a mains to 12v adaptor is supplied.
There is one output for driving wands to high power. High power wands can be used to control equipment located up to 10m away.
IRUW
The IR Universal wand is for use in low power output and can be mounted directly on the equipment fascia or positioned on the shelf.
IRFSW
(optional). A slim, short range emitter for direct attachment to the equipment fascia.
IRHPW
(optional). A very directional high power long range emitter for use where the IRUW has insufficient range
IRDW
A single jack plug drives a pair of wands that affix directly to the equipment fascia and give a visible flash as the IR signal is emitted. Also available as a single output version (IRBW)

IRBKIT

The classic in-cabinet solution that puts your remote back in control and routes IR commands to wherever they are needed. Multiple input/output options (see components list below for more details) can provide a solution to almost any IR control problem. This is central building block and can be added to by connecting extra receivers and emitters as required. It is available in a number of configurations:

Basic Kit

This kit, comprising the Keene IR Distribution Amplifier, 240V UK mains power adaptor, 2 x universal emitter wands (see output component [IRUW] page 6) and instruction leaflet. Requires input device or IR receiver (not included).

Code IRBKIT **£39.99**

Basic Kit plus Standard Receiver and High Power Wand

This is a complete kit, comprising the Keene IR Distribution Amplifier, 240V UK mains power adaptor, 1 x universal emitter wand, 1 x High Power emitter wand, 1 x Standard IR receiver [IRSR] page 7) and instruction leaflet.

Code IRBKITSH **£49.00**

Basic Kit Plus Standard Receiver

This is a complete kit, comprising the Keene IR Distribution Amplifier, 240V UK mains power adaptor, 2 x universal emitter wands (see output component [IRUW] page 6), 1 x Standard IR receiver [IRSR] page 7) and instruction leaflet. (HINT – This is far and away our most popular kit so if you're wondering where to start this is a really good choice. You can easily add to it and expand the system later if needed.)

Code IRBKITS **£48.00**

Basic Kit plus Fascia Mount Receiver

Complete in-cabinet IR Distribution solution with 2 x Universal Wands and a Fascia Mount IR receiver.

Code IRBKITF **£49.00**

Basic Kit plus Panel Mount Receiver

This is a complete kit, comprising the Keene IR Distribution Amplifier, 240V UK mains power adaptor, 2 x universal emitter wands (see output component [IRUW] page 6), 1 x Panel Mount IR receiver and instruction leaflet.

Code IRBKITPB	(Panel mount receiver in black)	**£65.00**
Code IRBKITPW	(Panel mount receiver in white)	**£65.00**

IRBKIT Mini

The Keene IRBKIT MINI is a very compact IR Distribution Amplifier. It allows you to use your remote control on equipment located in positions where your remote wouldn't normally work. For example, equipment placed inside cabinets with closing doors or located on shelves behind you or around a corner. Because of the compact size and light weight the IRBKIT mini can also be attached to the rear of a wall mounted display, ideal for use with items such as Apple TV®. It also features an electronically isolated "Direct" input, allowing direct connection to the IR Blaster output from any other manufacturers products, very useful with CAT5 Extenders where the single Blaster output cannot control all of the source equipment.
The unit is very flexible, allowing for a number of configurations that will solve most IR control problems.

Features:

- USB Power Connection
- Compact Size (60x35x20mm)
- Dual IR Outputs
- Standard IR Receiver Input
- Direct Universal IR Input

IRBKITM Fascia

IRBKIT Mini supplied with a Fascia mount receiver and a single emitter. This is designed to allow IR control of devices out of sight behind the display or cabinet. An additional IR emitter may be added later if required. Supplied complete with a mains to USB power supply.

Code IRBKITMF **£65.17**

Also available without the mains to USB power supply. Choose this option if you have have a nearby spare USB port that can provide power.

Code IRBKITMFC **£58.19**

IRBKITM Direct

IRBKIT Mini supplied with 2 x IRDW Dual Blinking Wands (four emitters) and a direct input cable (no receiver). This is designed to re-distribute the IR Blaster output from another device, eg HDMI extender. Supplied complete with a mains to USB power supply.

Code IRBKITMD **£63.71**

Also available without the mains to USB power supply. Choose this option if you have have a nearby spare USB port that can provide power.

Code IRBKITMDC **£54.41**

Tool Tip

Smart TVs

From 2013 onwards many of the TVs from LG, Samsung, and Toshiba feature an integrated IR blaster, and the output from these can easily be connected straight to the special direct input on the IRPKIT4 and IRBKIT Mini. This means that you can use your TV's IR receiver to control all of the equipment inside your cabinet.

IRPRO4 System

The Pro4 IR Distribution amplifier has some powerful features for demanding installations. It has four IR Receiver inputs, and uniquely all four receivers can be located in the same room if needed. Normally multiple IR receivers will cause timing issues and poor performance but the Pro4 has "BestSelect" technology which automatically locks on to the strongest IR signal and shuts down the other inputs within a fraction of a second, only releasing them again when the code sequence is complete. It also features a direct cable input to redistribute other manufacturers IR Blaster outputs and it can drive up to four dual power IR emitter outputs. The flexible design allows for a number of configurations that will solve most IR control problems.

The unit is very flexible, allowing for a number of configurations that will solve most IR control problems.

Features:

- Four BestSelect IR Receiver inputs
- Direct cabled input that can be used with other manufacturers IR Blaster outputs
- Four IR Emitter outputs for use with any Keene IR emitters
- USB power option

IRPRO4 Basic

IRPKIT4 is the basic kit containing the IRPKIT4 Distribution amplifier, USB Power Cable and a UK mains adaptor.

Code IRPKIT4 **£61.74**

IRPRO4 Standard

IRPKIT4S2 Is the Basic kit plus a Standard IR receiver and two universal IR emitter wands.

Code IRPKIT4S2 **£87.01**

IRPRO4 Fascia

IRPKIT4F2 is the Basic kit plus a Fascia Mount IR receiver and two universal IR emitter wands.

Code IRPKIT4F2 **£87.50**

IRPRO4 Panel

IRPKIT4B2 Is the Basic kit plus a Panel Mount IR receiver (black) and two universal IR emitter wands.

Code IRPKIT4B2 **£99.17**

Universal Wand

The IR Universal wand is for use in low power outputs and can be mounted directly on the equipment fascia or positioned on the shelf. Suitable for most applications and usually supplied as standard with an IRBKIT.

Code IRUW **£5.99**

Dual Output Blinking Wands

The single jack plug drives two IR emitter wands. The emitters are extremely tiny (just 9mm across) and are supplied with double sided adhesive pads to affix directly to the equipment fascia. The emitters actually flash red as the IR signal is emitted giving visual confirmation that the IR signal was received and transmitted correctly.

Code IRDW **£9.99**

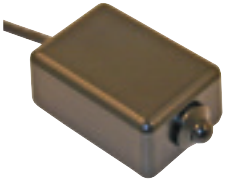
Also available, single output version Code IRBW **£9.49**

IR Tip

If you are installing your AV gear into a cabinet a useful trick can be to make the cabinet interior white as the reflected IR from a single high power emitter will usually control everything inside the cabinet.

High Power Wand

High power IR emitter wand. A very directional high power long range emitter for use where the IRUW has insufficient range. The High Power wand will operate equipment from up to 10 meters away and can also be used as a single source inside reflective cabinets. It can also be used in the low power output sockets if required, but will then only perform as a low power emitter. Not suitable for one-to-one operation.



Code IRHPW **£7.99**

Low Power Wand

A short range low power emitter for attachment to the equipment fascia adjacent to the IR window.

Code IRLPW **£5.99**

Side Firing Wand

A slim, side firing short range emitter for direct attachment to the equipment fascia.

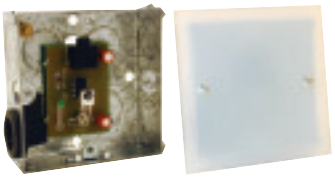
Code IRSFW **£7.99**

Standard IR Receiver

This receiver covers the 36KHz to 40KHz bandwidth and is compatible with the vast majority of domestic infra red equipment.

Code IRSR **£12.99**

Also available built into a single gang faceplate



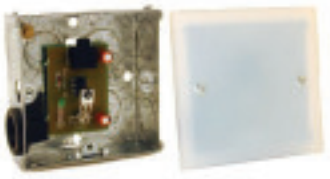
Code IRSP **£29.99**

Wideband IR Receiver

This receiver covers the 20KHz to 120KHz bandwidth. Because of the high bandwidth the system will be more prone to interference so we do not recommend unless required by your AV equipment.

Code IRWBR **£18.99**

Also available built into a single gang faceplate



Code IRSPW **£29.99**

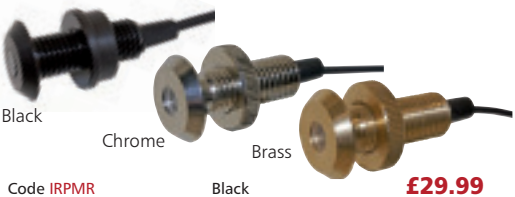
Fascia Mount IR Receiver

Designed to affix directly to the fascia on your display, this has super fast circuitry and a semi-wideband capability.

Code IRFMR **£14.99**

Panel Mount Receivers

Available in black, white, brass or chrome finishes, the Keene IR panel mount receivers can be mounted within AV cabinets, studded walls and ceilings. At just 30mm visible diameter they provide a discrete yet effective means of IR control wherever the equipment may be located. Operating in the filtered 36-40KHz band (plasma friendly) ensures wide compatibility with almost all AV equipment. (requires 16mm diameter hole).



Code IRPMR	Black	**£29.99**
Code IRPMRW	White	**£29.99**
Code IRPMRC	Chrome	**£34.99**
Code IRPMRB	Brass	**£34.99**

Extension & Splitter Cables

All of the above IR receivers are supplied with a 1.2m cable (3.5mm stereo jack). Depending on the distance involved you may need an extension cable:

Code KLD40	3m extension	**£4.49**
Code KLD405	5m extension	**£4.99**
Code KLD4010	10m extension	**£8.99**
Code KA203	Triple adaptor cable	**£5.99**

IR Over RF Aerial Cable

If you've used RF aerial cable to run signals to another TV in the house you can use the same cable for IR control. The Keene RF2IR product allows IR control signals to be distributed via conventional aerial coax cable. The IR receiver is the same as that used by the common "sky-eye" type systems although it is not limited to satellite receivers and may be used with almost all IR controllable AV equipment. It allows easy IR control from any remote TV that is connected by aerial cable to the source equipment.

To use simply connect the "eye" receiver in-line with the TV aerial on the remote TV and the RF2IR in-line with the aerial at the source. IR signals picked up by the eye receiver will be relayed along the aerial cable, decoded by the RF2IR and output to an emitter wand to control the source equipment. The output from the RF2IR can also be fed into an IR distribution amplifier such as the IRBKIT to control multiple items inside a cabinet. Very effective where wireless RF type solutions don't have enough range or in cases where you want to keep any extra 'black boxes' to a minimum.

Other options are available: RF2IRL – If you already own an IRBKIT distribution system you could save a little and share the power supply. If you would like an IRBKIT distribution system as well, you can also save some money by buying the two together in a kit:

Code RF2IR		**£44.99**
Code RF2IRL		**£39.99**
Code RF2KIT	with IRBKIT distribution system	**£69.99**

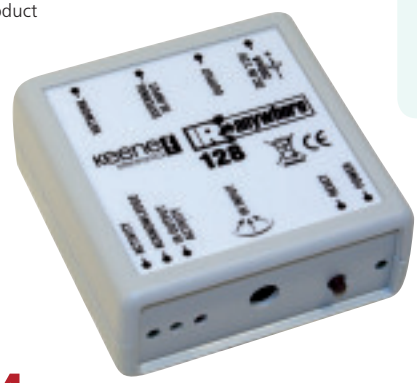
IR Anywhere

KIRA128

The KIRA128 modules can learn up to 128 IR codes and store them in its on-board memory. It has built in web pages that allow these stored codes to be selected and emitted by any device with a web browser, be it desktop, mobile or PDA from anywhere on the local network or internet. There is also a low cost "app" available for the iPhone and iPad to access the same stored codes (see back page).

Features:

- 128 IR code storage
- Built-in simple web page configuration and control
- Emit stored IR codes when triggered by TCP/IP command
- Send TCP/IP commands when triggered by IR
- Use as a remote network receiver for any other IR Anywhere family product



Code KIRA128 **£74.99**

Built in Web Server

Built in web server provides easy browser control for stored IR codes on KIRA 128 & IRCM. They can also be used with the Democontrol app (see back page).

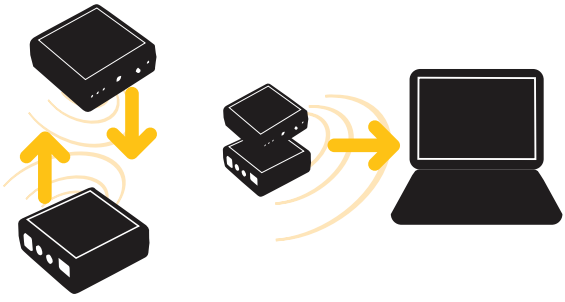
use with any **web browser**

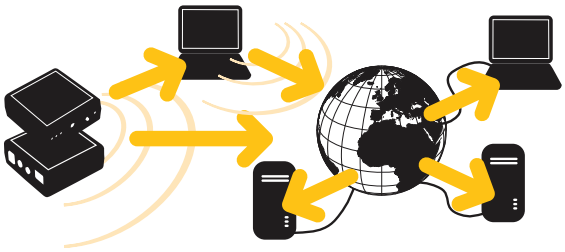
Stop press - Control4 drivers now available for KIRA128 - see web for details

IR over IP – IR Anywhere

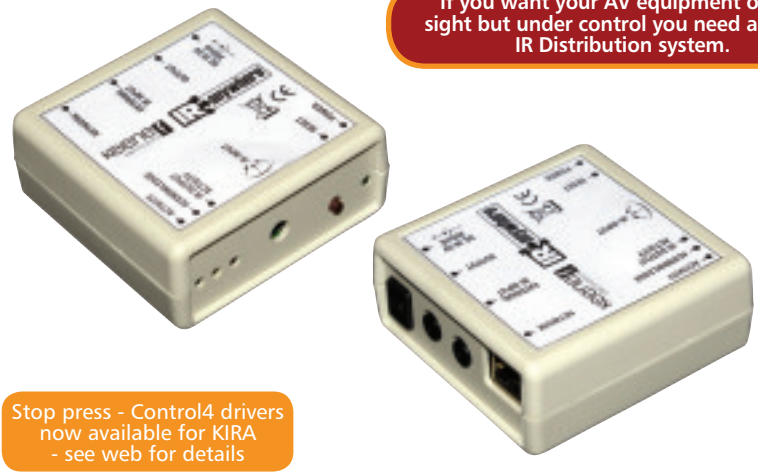
The IR Anywhere products are capable of sending and receiving IR signals across an IP network; either a LAN or even around the world via the internet. If your home or office is already cabled for LAN you can easily add room to room IR control with this system, and several customers are using this technology to control and adjust AV installations in other countries! The modules will receive an IR command, convert it to packet data and send that data to a predetermined IP address (usually another IR Anywhere module). The receiving module will then decode the data and re-transmit the IR as originally received. The IR Anywhere modules all have their own internal web page and can be software configured to receive or transmit as required. The modules have a built in standard (36 ~ 40 Khz) IR receiver, and the IR inputs and outputs are fully compatible with the existing Keene IR Distribution range so other styles of receivers and emitter wands can easily be incorporated. The output can also be connected to an IRBKIT if required.

- Control IR equipment via local network or anywhere in the world via internet
- Can be combined with IR distribution system for large installations
- One-to-one or many-to-one control
- Built in Dynamic DNS support
- DHCP plug and play for LAN





If you want your AV equipment out of sight but under control you need a Keene IR Distribution system.



Stop press - Control4 drivers now available for KIRA - see web for details

Code KIRA	(1 pair of modules)	**£108.00**
Code KIRAM	(Single modules)	**£59.99**

IR Commander Matrix

For the more complex installations we have the IRCM, the most advanced and the most capable IR distribution system Keene Electronics have ever produced! Featuring multiple inputs and multiple outputs it enables you to specify which input should go to which output. This is useful in an installation where there may be say three identical satellite receivers, each sending their signal to a different room. With a conventional system when one room uses IR to change channel all of the other receivers would also receive the same IR command and change channel as well. With the IRCM the IR signal from one particular room can be limited to one particular IR output. Not only that, the IRCM also contains the IR Anywhere technology and can also receive IR commands via an IP network. Again, the IP commands received can be routed in the same way as the hard wired receiver inputs.

Features:

- Full Matrix Signal Routing - Each IR input can be routed to any combination of IR outputs
- Four IR output channels - each IR output channel can drive IR emitter wands or slave IR distribution amplifiers
- Six local IR input channels - Four IR receivers, one on-board IR receiver and one wand input for taking the output directly from another IR distribution system or video sender
- IP addressable - Will accept IR over IP inputs from Keene IR Anywhere modules or from PC's or hand-held devices, up to 253 different IP addresses
- Internal IR command store - Can store up to 128 IR codes in local memory, these can then be triggered by IP command from local network or internet
- Built in wideband IR receiver
- Local inputs are "one way IRDA" compatible - Will route signals to control all popular set top boxes
- Will act as Dynamic DNS update client - Built in support for non-static WAN IP addresses
- LEDs indicate which input is active - When IR activity is detected on one input all other inputs are momentarily blanked to ensure the signal remains pure and is cleanly transmitted. (the LEDs may be disabled if required)
- RS232 port provides an RS232 TCP/IP bridge and allows RS232 commands for IR (stored codes)

Optional Expansion Modules for use with the IR Commander Matrix. These allow you to hard wire additional inputs and outputs at up to 50M distance using CAT5 cable.

Code IRCM **£169.99**

Four input expansion module Connected to the Commander by CAT5 cable and may be located up to 50m away. 4 receivers may be connected to this module.

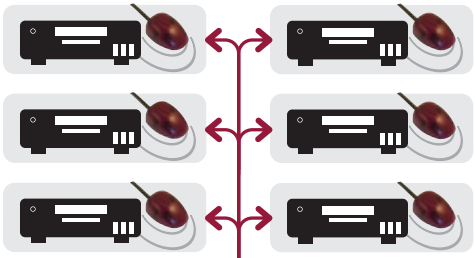
Code IRC4A **£19.99**

Four output expansion module Connected to the IRCM by CAT5 cable and can be located up to 50m away. 4 IR emitters may be connected to each module.

Code IRC4B **£19.99**

Email your order to us at sales@keene.co.uk

IR Commander Matrix



IRUW
IR Universal Wand. Ideal for general purpose use and can be fascia or shelf mounted. Supplied as standard with an IRBKIT, IRBKITS, KIRA, KIRA128 & IR Commander

IRFSW
(optional) A slim, short range emitter for direct attachment to the equipment fascia IR window

IRLPW
(optional) A short range emitter for attachment to the equipment fascia adjacent to the IR window.

IRHPW
(optional) A very directional high power long range emitter for use where the IRUW has insufficient range

IRDW
A single jack plug drives a pair of wands that affix directly to the equipment fascia and give a visible flash as the IR signal is emitted

IRC4B
Long distance output module allows up to four remote emitters to be connected via CAT5 cable (max 50m)

The main body of the IR Commander Matrix is usually located out of sight or within the AV cabinet. It operates from 7.5 DC allowing for easy integration in marine or travel installations, a mains to 12v adaptor is supplied.

Internal IR activity

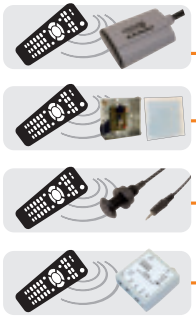
Built in wideband IR receiver

IP status

Dip switches for precise signal routing

Network Activity

IR activity



IRC4A
Long distance input module allows up to four remote receivers to be connected via CAT5 cable (max 50m)

IR CABLES
Each component is supplied with a 2m cable that can be easily extended if required: 3.5mm plug to socket extension 3.0m [KLD40] 3.5mm plug to socket extension 5.0m [KLD405] 3.5mm to CAT5 adaptors, allow use of a standard CAT5 network cable between the two items at distances of to 100m [KA175]

There are four jack socket inputs for IR receivers, plus a port for an (optional) four input expansion module and a wand input for direct feed from IR extender or other IR distribution system.

LAN connection will accept IR over IP inputs from Keene IR Anywhere modules or from PC's or handheld devices, local or via internet. RS232 to TCP client operates at 1200 to 115200 baud

IR Signal Input Sources

IRSR
The standard IR receiver, supplied with the IRBKITS

IRWBR
(optional) wideband IR receiver

IRFMR
(optional) Facsia mount semi-wideband IR Receiver

IRSP
(optional) flush wall mount standard IR receiver.
Also available in wideband (IRSPW)

PMID
(seperate system). Use the output direct from a wireless IR sender such as the Powermid

RF2IR
(seperate system). Use the output direct from the RF2IR system

CAT5
(separate systems) Use the IR output direct from any of the Keene video over CAT5 systems

IRPMR
(optional) Panel mount IR receiver

Network
(separate systems) Use IR over IP commands from IR Anywhere modules or other network or internet device

Aavara High Definition HDMI Cables

These are top specification Hi-Definition AV Cables fully supporting all of the latest HDMI specifications, including: 3D, 4K, ARC (Audio Return Channel), HEC (HDMI Ethernet Channel). The construction features pure gold 24K plated end shell and connector with a protective braided cable sheath.

Specifications:

- Works with PS3, XBOX, Blu-Ray/HD/DVD player, Set Top Box
- 1.2Gbps Ultra Wide bandwidth enable brilliant 1080p HD content and 8 channel Audio
- Exclusively Superior Diamond cutting design and stylish yellow webbing lines
- HDMI to DVI interoperability allows easy interconnectivity
- Support Dolby True HD and DTS-HD Master Audio Transmission
- Support x.v. Colour Wide Gamut and 16bit Deep Colour Video Transmission

Code HDAV05	0.5m version	£14.99
Code HDAV1	1m version	£17.99
Code HDAV2	2m version	£12.99
Code HDAV3	3m version	£24.99

180 Degree swivel Plug

High quality 'High Speed with Ethernet' HDMI cable. Each plug has 180 degree swivel to make it easier to connect to awkward sockets.

NEW

Specifications:

- Gold plated terminals with moulded strain relief

Code HDHD141S	1m version	£14.99
Code HDHD142S	2m version	£19.99
Code HDHD143S	3m version	£24.99

Bend to shape HDMI cables Degree swivel Plug

NEW

From CYP, these "Neat & Tidy" cables CYP provide genuine innovation for the custom installer. The reinforced structure allows them to be manipulated into a desired shape which will be retained for the duration of an install. This new design allows installers the make tidiest of finishing touches to an AV installation, while also optimising the connection between sources in a rack.

Specifications:

- Full 1080p and deep colour resolutions
- 3D Compatible
- 99.999% Oxygen Free Copper

Code HDMI030	30cm version	£10.62
Code HDMI050	50cm version	£11.39
Code HDMI075	75cm version	£12.37

Aavara Hi-Definition Pro Install HDMI Cables

These are top specification Hi-Definition AV Cables designed for Professional and Commercial installations. Designed to end the uncertainty and erratic behaviour you may have experienced from some of the other longer length cables on the market, these deliver reliable results. The construction features a heavy duty metal-moulded connector housing with high density triple layer shielding to guard against electromagnetic interference, high-level OFC copper wire with 340MHz (10.2Gps) ultra-wide bandwidth for 1080p 3D video format and 7.1 channel audio. Protective braided outer cable sheath.

Specifications:

- HDMI™ 1.4v high speed Cable supporting 3D, 4K, ARC (Audio Return Channel)
- 24K Gold-plated connector for anti-corrosive and distortion-free

Code HDPROAV5	5m	£29.99
Code HDPROAV10	10m	£59.99
Code HDPROAV15	15m	£89.99
Code HDPROAV20	20m	£119.99

IR Receiver Adaptor KRECA

Allows Keene IR receivers to be used with other manufacturers IR distribution systems, for example Xantech, Onkyo, Harmon Kardon etc. PCB jumpers allow a number of parameters to be changed including:

Data (5v or 12v) and Carrier signal (exclude / include). Supplied complete with a 3.5mm jack to jack 1.2m link cable.

Code KRECA **£39.99**

CAT5 Cable Economisers

Although CAT5 cables have four pairs of conductors, 10base and 100base systems only use two of these pairs so half of the cable is redundant. These cable economisers allow you to connect route two IP signals down a single Cat5 cable. Ideal for use with the IR Anywhere modules as it allows you to add remote control without having to utilise an extra remote network hub or switch. Supplied in pairs.(Note: CANNOT be used with Gigabit networks or anything using POE!).

Code KA201 **£14.99**

IR Link Cables

Allows you to directly connect IR Wand output to the IR input on an IRBKIT or IRCM.

Code KLDE10M	2.5mm to 3.5mm tip & ring connected only	**£5.99**
Code KLDE6M	3.5mm to 3.5mm tip and ring connected only	**£5.99**

Code KA175 **£5.99**

CAT5 Cable Extenders

A set of two short (25cm) line adaptors, one with an RJ45 line socket to a 3.5mm stereo jack plug, and the other with an RJ45 line socket to a 3.5mm stereo jack socket. This is designed to allow CAT5 cable to be used to extend the distance between the IR receivers and the Keene IRBKIT and IRCM infra red distribution systems. To use simply plug the IR receiver in to the 3.5mm jack socket of one adaptor and the 3.5mm plug of the other adaptor goes into the IR receiver input of your IRBKIT or IR Commander. Connect your Cat5/6 (standard wired network cable) in between the adaptors and that is it. Using this method it is possible to remote mount IR receivers at distances of up to 100m.

Anything To Keene IR Translator

The Keene IR Translator is designed to allow you to connect the IR wand output from any device directly into the IR receiver input of any Keene IR equipment, such as an IRBKIT, IRCM, IR Anywhere module etc. This is particularly useful with video over distance systems as the single IR wand output is usually insufficient for effective control of multiple sources. The 3 pole input connector is optically coupled and will work with any connection as positive or negative. Compatible with IR frequencies between 10Khz - 200KHz.

Code KIRT **£19.99**

Also available KIRT12 for non-keene 12v based IR systems £19.99

IR Tip

Other sources of infrared include sunlight, fluorescent lights and LCD and plasma displays. Keene IR receivers are carefully filtered to minimise any interference that might be caused by these sources, but it always makes sense to try and position your IR receivers carefully. Ideally try to position the receiver directly beneath or to one side of the screen and slightly behind the face of the screen, do not have something reflective directly opposite and try to find a spot that will not be in direct sunlight.

POWERMID

Consist of a pair of small pyramid shaped devices. The transmitter picks up the IR from your remote, converts it to a radio signal and beams it to the receiver. The receiver then converts the radio signal back into IR to control your devices. Really useful and very easy to set up. Can be used in-room or even through walls and floors and as a wireless room extension for the Keene IRBKIT. *Frequency: 433MHz

Code PMID **£23.36**

Additional transmitters & Receivers are available:

POWERMID RF Receiver IR Transmitter unit.

This unit receives RF from a Powermid transmitter and gives out IR to control your set-top box, Skybox, DVD etc.

Code PMIDR **£18.99**

POWERMID IF Receiver RF Transmitter unit.

This unit receives IR from your remote control and transmits it via RF to the Powermid RF receiver.

Code PMIDT **£18.99**

POWERMID Dual Output Wand

Additional 2 way IR wand for use with the Powermid units. These wands are designed to take the IR output direct to the IR receiving eye on your DVD etc. Universal IR Extender Cable - Works with Marmitek, Speakercraft etc. 2 IR LED's (blinking), 3m cable length, 3.5 mm jackplug.

Code PMIDEYE **£8.99**

POWERMID XL Kit

This is a Powermid XL kit that includes one extra IR receiver so you can control your equipment from two different rooms. (contains two IR receivers for different rooms and one IR sender for the Sky, DVD etc).

Code PMIDKIT1 **£39.99**

Email your order to us at sales@keene.co.uk

MARMITEK Easy Icon Universal Remote Control

This is a very clever universal remote from Marmitek. It can control X10 equipment via RF and up to 10 AV devices by infra red control. It features assignable icons for favourite channels making it very easy to use, and it can even be personalised for different members of the family.

- The most user-friendly remote control ever. The only one you will ever need.
- Choose a channel using network logos, you no longer need to remember which channels your favourite networks are on.
- Personalise the remote control for each member of the family - favourite channels for you, your partner, children and up to 10 others

- Guaranteed to work with all your current and any other A/V equipment you purchase in the future (extremely comprehensive pre-programming with learning facility).
- In addition to 10 A/V devices (TV, decoder, DVD, set-top box etc.), you can also operate the Marmitek X-10 modules used for operating lighting and electrical appliances.
- With handy home theatre macro function: with 1 press of a button you can switch all your equipment and X-10 lighting to the correct setting.

Code EZICON **£61.00**

Additional Remotes for Sky Satellite Systems

Why would you want another? Well, if you had extended control of your Sky system from other rooms then you might not want to or remember to carry your single remote controller from room to room. Solution: have a remote wherever you might want to use one. Simple as that!

Standard Sky Digital Remote

Code SKYREM **£12.99**

SKY Plus Remote

Code SKYPREM **£21.99**

SKY HD Remote

Code SKY120 **£24.99**

SKY Digital Remote Control Link Magic Eye

Sky digital satellite systems have two RF aerial outputs. The 2nd Rf output can be run to a remote television (typically a bedroom or kitchen) to allow you to view Sky. Once you've done this you can then easily control the digibox from your second TV by adding a magic eye; simply connect it in-line with the aerial by the remote TV, place the remote "eye" on top of the TV and you now have infra-red control of your digibox from the remote TV.

Code SKYLINK **£6.99**

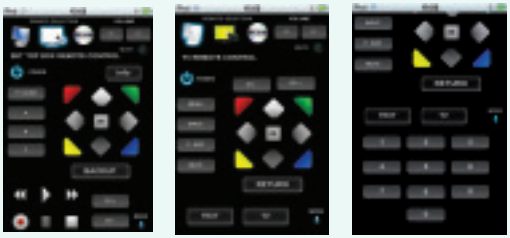
Wired Eye

An ingenious device, this utilises the ability of a Sky receiver to be controlled via its 2nd RF input and provides a "hard-wired" in cabinet control solution. Instead of affixing an IR emitter directly to the receiver front panel you can now connect the IR output from the IRBKIT, IRCM or IR Anywhere module directly to this Wired Eye which in turn sends the correct signal to the receiver via the coax connection. Gives 100% reliable results and is invaluable in preventing cross talk in multi-receiver installations.

Code KWE **£19.99**

DemoControl

The app gives you a graphical front end with which to access the 128 stored IR codes within the memory locations of a KIRA128, IRCM or KIRARS232. The codes are assigned to three devices (Display, Set-top box & DVD) and the app can be used on iPhone or iPad. The app is available on iTunes for free (search "DemoControl").



A FREE app now available for the iPod and iPad from the iTunes store

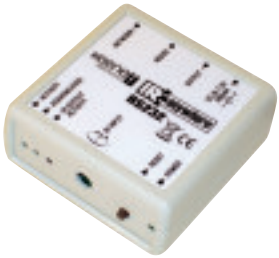
http://www.demopad.com/democontrollite.html

Available at **iTunes**

There is also a full professional version of the program available directly from DemoPad (www.demopad.com) that allows you to build custom screens and control a virtually limitless amount of devices.

KIRA RS232

A new addition to the IR Anywhere family, the KIRA RS232 is similar to the KIRA128 except that the jack socket for an external IR receiver has been replaced with an RS232 port. It still has an on-board IR receiver should you need it. In addition to the ability to send stored IR codes when triggered by IP commands it will also send stored IR codes when triggered by Keene defined ASCII commands via RS232.



Stop press - Control4 drivers now available for KIRARS232 - see web for details

The KIRARS232 can function as:

- IR to TCP/IP bridge
- RS232 to TCP/IP bridge
- TCP/IP to RS232 (for the CTX35 X10 bridge)
- RS232 to IR (stored codes)
- RS232 disabled (function as KIRA128)
- Supports baud 2400, 9600, 19200, 57600, 115200

Code KIRARS232 **£84.99**

CTX35 RS232 to X10 Bridge

The Marmitek CTX35 communication transceiver can receive and transmit standard X10 control signals via the RS232 port. Transmit commands and received data are in ASCII format and it is directly compatible with the KIRARS232 giving you the ability to TCP/IP control your X10 products from anywhere in the world.

Code CTX35 **£199.99**